THE EAST BAY AMATER RADIO CLUB,

QLF THE BLOWN FUSE

CLUB STATION W6CUS

VOLUME LXXI NUMBER 11

EBARC Meetings

Next meeting: August 15, 2025

Unitarian Universalist Church Of Berkeley

Safir Room 1 Lawson Rd., Kensington, CA

Check your email for Zoom link.

Welcome EBARC Members to the eighth edition of the *Blown Fuse* for 2025.
Please plan to join us at the meeting on August 15, 2025 at 7:00 PM in-person or on the Zoom Link.:

Program: DMR

EBARC welcomes Dan Sobel N6HLZ who will be presenting an introduction to DMR digital voice operation including the concepts of time slots, color codes, talk groups, building a code plug, and other practical details of DMR operation.

The Blown Fuse is published monthly by the East Bay Amateur Radio Club, Inc. and is a service provided as part of membership. *The Blown Fuse* welcomes articles of interest to its members and amateur radio in general. *The Blown Fuse* reserves the right to edit or reject any material submitted. Material submitted becomes the property of *The Blown Fuse*. Permission is hereby granted to reproduce material printed herein provided proper acknowledgment is given. Editor: Audrey Nieman W6BBQ

Deadline for Sept issue is Sept 1 , 2025.

Blown Fuse Back Issues

Blown Fuse Back Issues can be found on The Internet Archive, link.

2024 & 2025 Coming Soon!!!
de KJ6DZB.

EBARC 2025 Working Inventory FOR SALE!
(Link Here)

President's Message

Im happy to announce that the second successful licensing exam session was success! 5 took exams, 2 new Extras, 2 new techs. I've added a picture below. Thanks to all the VE's that made this exam possible. Lets continue to spread the word about the exams.

This months program will continue to explore radio programming topics. If you have a DMR capable radio come join us, if you don't come join us, and learn about the basics of this eco system. Dan N6HLZ will discuss the fundamentals of DMR.

In September's program will discuss trolling the Space Station. Focusing on Antennas. Learn when to hear signals from the International Space Station. Learn how to setup a radio to receive and decode slow scan images. Discuss manual and automatic station stations. Then in October we will look at EZNEC for modeling antennas, in November we build a EggNOGS Antenna.

DE
73 Mathison KJ6DZB

8/9/2025 exam exam @ UUCB

Minutes of the July 2025 Meeting
By Jan Kuhl, AC5RB
Secretary

The Hybrid meeting was brought to order by President Mathison Ott KJ6DZB at 7:15 PM. The in-person meeting occurred at the Unitarian Universalist Church of Berkeley (UUCB) at 1 Lawson Road, Kensington CA. The on-line meeting was held via the Zoom Internet. There were 6 people in person and 3 on Zoom. Also present were First Vice President Howdy Goudey KE6BEE, Second Vice President Karen Fenton KK6ZPM and members Todd Teachout W8BIK, Robin Mitchell KN6CRP and Jay Fenton KK6WSS. On Zoom were Treasurer Audrey Nieman W6BBQ, Secretary Jan Kuhl AC5RB and member Lorraine Schnurr KN6CRT.

Introductions were made and many members gave updates of their radio activities. From Zoom Jan said she was involved with Field Day with the Vallejo Club, NBARA. Lorraine said she is interested with CW at field day with ECHO-LINK and EBARC and the turn-out was enthusiastic. Audrey hasn't been able to be as involved as she wishes but the reports sound great.

From the in-person group, Todd said he arrived at 8:45 for Field Day and helped to set up for the 10-meter station. Mathison said the propagation was good. "I tried to connect on some, and I could hear, but not talk." Howdy said things went well with the Field Day; it went for 2 days (no night) so more hours than before. This is the third year he has tried to get a satellite contact. He used the computer to hear three stations but no contact with the ISS (internation space station). This year the astronauts were responding to others during their passes. Karen had an enjoyable time, and she was coaching with others and checked around to other stations. She met new people and visitors and guests. Jay has been "hiding out" in his workshop so was not actually at Field Day. He did get onto 40 meters with a CW net with Don Simon NI6A. He urged others to check it out. Robin said she enjoyed just hanging out at the Field Day. Mathison enjoyed it very much and it was great to connect with other members and guests. Lots of good contacts. He got to hear a satellite contact over North Carolina. Howdy heard Washington and got contacts with Japan, Indonesia, and Micronesia. Propagation was good. Other clubs did report some problems with propagations. Howdy said the group covered 76 of the 80 sections of North America and DX. There was a total of 855 contacts. Hope for more next year. Mathison will have pictures from the ISSs space station for our November Program.

SECRETARY- Jan asked for a motion to accept the minutes from the June 20, 2025 minutes. Jay clarified his antenna work at his farm. The minutes were accepted with the amendment.

TREASURER RPORT- Audrey will have her report as well as dues information in the Blown Fuse.

MEMBERSHIP REPORT-Karen has passed out copies of the Blown Fuse for people to learn more about our club. We have a new member, Paul Young, KO6JHP. Karen will see Ed Sheldon about joining also. There is a lot of information from ARRL and there is a need for people to help John Evans with his youth group, and someone is needed to check out El Cerrito's Teachers' Academy and Richmond Fire Training to add to their schedule.

Jay has set up a Syllabus of training at the Fenton's' place, offering instruction through EBARC. He has been working with 2-3 people at a time showing new techniques. He discusses repeater frequencies and memory program setting, SWR testing and connectors and cables. Each class is about 3 hours. There is a new ham class at UC Berkeley, The Joy of Amateur Radio at the Corey Building #531. Mathison will have a link for more information.

Howdy said there will be a POTA (Parks on the Air) set up at Rosie the Riveter this Saturday starting about 10 AM and will go until 5 or 6 PM. It will be on 2 meters and on HF frequencies 146.415 and 145.62. Jay said his group will monitor the contacts.

BREAK

PROGRAM- Mathison and Howdy brought some radios to be programmed and talked about the CHIRP program that shows repeater frequencies and off-sets and PLs.

Meeting adjourned 9:02

Respectfully Submitted

Jan Kuhl, Secretary

Karen Fenton KK6ZPM
Tirado H8

EBARC members Jay Fenton KJ6WSS and Robert Johnson KK6JNI collaborated to create a new set of programmed locations for the TIDRADIO H8. This code plug contains the most used Bay Area ham repeaters and simplex frequencies.

Howdy Gowdey K6BEE demonstrated how to use CHIRP software to load this code plug at the EBARC July 18 meeting.

The CHIRP image for the Tidradio TD-H8 and related files are posted under Resources & Files on the wcc.tinylurl.com/wccerg website. The pdf file version is 2025 WCCERG code plug

The Tidradio TD-H8 is a handheld that can be programmed to operate both on ham and GMRS bands with a single code plug.

REMINDER: Per FCC rules, only GMRS licensed operators are licensed to transmit on the GMRS band, whereas only ham licensed operators should transmit on ham bands.

Karen Fenton KK6ZPM
EBARC's Question of the Month

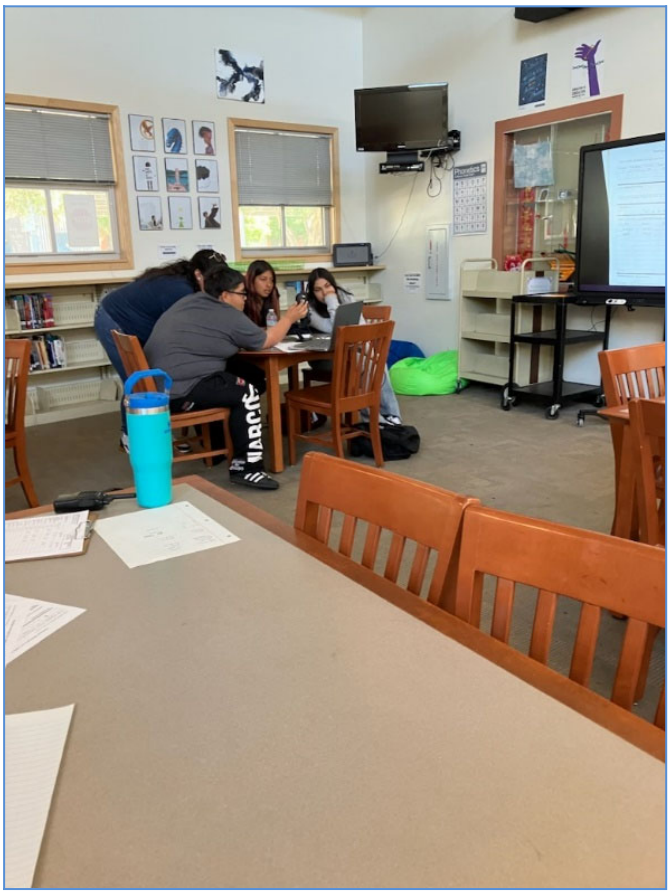
Canadian Donald Hings is credited as the inventor of the first portable radio system in 1937. It was a backpack mounted unit with an attached handset.

The battery-operated handheld transceiver (HT) continues to evolve and proliferate today. Many licensed hams never operate mobile or base models.

The popular Yaesu FT-60 was introduced in 2004. The inexpensive Baofeng UV-5R was first released in 2012.

Question – What year did you start using a ham handheld radio (HT) & what model was it?

Email your response to EBHam.office@gmail.com



New EBARC class for new licensees or rusty hams

Jay Fenton KJ6WSS has offered an intense 3-hour orientation since January 2025 to new ham licensees before they invested in radio equipment. Enrollment is capped at 4 students per class to permit personalized attention as they sit around the Fenton dining table. To date Jay has taught twelve hams, half of whom recently obtained a Technician license. The others had passed General and Extra level exams but admitted limited comprehension of radio operation.

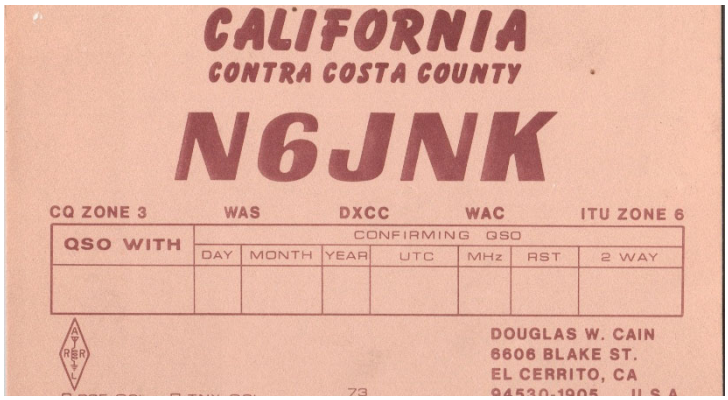
The topics, which focus primarily on UHF-VHF portable handheld radios, would also interest rusty hams unaware of the technology contributing to rapid proliferation of HT models. Subjects covered include basic &amp, advanced radio features, memory channel programming, radio and antenna testing, and simplex versus repeater nets.
Jay has not yet scheduled his next class, but there are 2 prospective students on the waiting list. Speak with Jay directly if you are interested, or send an email to JayRFenton@gmail.com

Treasurer's Report
As of 7/11/2025

Balance Forward	**$**	**12,520.31**
Income:		
Deposit 7/28/2025		**25.20**
Interest July		**.10**
Disbursements:		
Field Day Food		**134.00**
New Balance	**$**	**12,411.61**

Membership
Individual ($35/year)
Family ($45/year)
K-12 Student ($10/year)
Class Comp (Free/rest year)
Annual calendar year membership dues are pro-rated QUARTERLY for NEW members joining the club within a particular quarter: 1) Jan - Mar $35) Apr - June $25.20) Jul - Sep $17.50) Oct - Dec $8.75)
Membership Application is on the website HERE!

QSL cards from 50 years of EBARC Event



25 Years Ago: August 2000

A "Thank You" from Mark McLean, KD6AGA

| have been an EBARC member for about 9 years, but have not attended a meeting for a long time. | know members' names & calls but rarely see them in person. | recently upgraded from Tech-Plus to General with the assistance of several of our club members, and of course EBARC's outstanding team of VEs! | now have set my sights on passing the Amateur Extra exam. | have asked various members to relate to me some of their expertise & knowledge in becoming an Extra. Their response was overwhelming! But to get to the point... At the July 14, 2000 EBARC meeting, there was a short break halfway through the meeting, and | left the room to go outside. To my surprise, when | returned to my table, there were two manuals, two cassette tapes, a floppy disk & other various publications all relating to helping me pass the Extra test. It was all sitting there right there in front of me!!!! Special thanks to Robin (YOU BLEW ME AWAY WITH ALL THAT STUFF!), Mike, Ron, Carl, lvan, Henry, Sharon, Dar, and to all in EBARC. Thanks!

50 Years Ago: August 1975

Check out the September issue of Ham Radio for news on a new Motorola Touch-Tone encoder for use in handheld FM transceivers. Details on construction of the encoder are included in the article. (More info on Touch-Tone encoders for VHF FM can also be found in the April issue).

Interesting article in the July issue of CQ on the use of Microprocessors in the ham shack. The author, WOLMD, (Dr. Robert Sudine, 470 South Queen Street, Lakewood, Co 80226) envisions such uses as name lookups, Repeater logging and directional control for isolating weak signals. The microcomputer is based on IC technology. WOLMD is currently working with a microprocessor and would probably appreciate a line from others interested in knowing more about its use and operation.

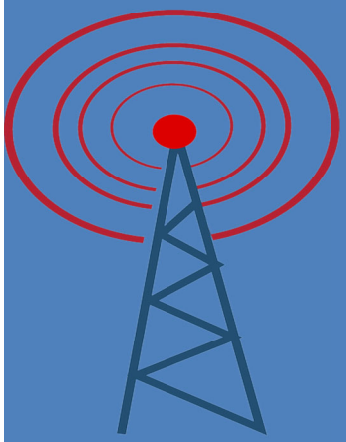
Almost forgot: Ken Snell reports that he has a Tempo 1 transceiver, by Henry, for sale. (look at the back of the front cover of this month's GST). There may be a discount along with this sale so, if you're interested, call Ken at 233-1887.

PENDING ITEMS

- Photo Galleries
- Completion of Member Survey
- Sale of Working Equipment (Link Here)

Please take
Club member Survey!!!
If you haven't already
(LINK HERE)

DIY Antenna Building Survey!!!
(LINK HERE)



.

The East Bay Amateur Radio Club, founded in 1947, is a California non-profit organization of amateur radio operators in Contra Costa and Alameda counties. The club is open to anyone with an amateur radio license. Annual dues are $35 for individual membership, $45 for family membership, and $10 for students K-12. For information, send email to ebham.office@gmail.com, contact any EBARC officer, see Web page *www.ebarc.org*, or write EBARC, P.O. Box 1393, El Cerrito, CA 94530. You can also follow us on Twitter using @w6cus, or on Facebook's "East Bay Amateur Radio Club."

2025 East Bay Amateur Radio Club Executive Committee

Mathison Ott, KJ6DZB, President	510-701-0234
Jan Kuhl, AC5RB, Secretary	510-846-3829
Howdy Goudey, KE6BEE, 1st VP / Program Chair	510-684-9097
Karen Fenton, KK6ZPM, 2nd VP/ Membership	510-701-7443
Audrey Nieman, W6BBQ, Treasurer / Finance Chair	510-682-7938

2025 EBARC's Other Committee Heads and Contacts

Blown Fuse Editor: Audrey Nieman, W6BBQ
.....
510-682-7938
W6CUS Trustee Chris Harwood
.....
510-332-7383
Webmasters: Chris & Mathison
.....
510-332-7383

Upcoming Activities & Events

Events	Time & Days	INFO
Ham Cram	Feb 15, May 17	(INFO)
VE @ UUCB by Albert N6SX	March 8th	
General Meeting	March 21st	
General Meeting	April 18	
2025 Coastal Region Radio Exercise	May 1st	
General Meeting	May 16th	
ARRL Digital Contest	Jun 7-8th	(INFO) (LOG)
General Meeting	June 20th	
ARRL Field Day June	June 27*-28-29	
General Meeting	July 18th	
General Meeting	August 15th	
Pacificon 2025	Fri Oct 10 -12	(MORE INFO)
California QSO Party	Oct4 1600- Oct5 2200 UTC	(RULES)
General Meeting	November 21st	
ARRL CW Sweepstakes	11/2 - 11/4	(INFO)
General Meeting	December 19th	
Holiday Party	TBD	

Bay Area & U.S. Amateur Radio Nets

Net	Days	Time PST	Repeater	INFO
Over the Hill Commuter CCCC	Mon-Fri	7:10pm	WA6KQB (system)	RX: 145.110MHz TX:-600kHz CTCSS: 82.5Hz RX:444.275MHz TX:+5MHz CTCSS:82.5Hz RX:224.3MHz TX:+4MHz CTCSS:82.5Hz EchoLink: 184423 / AllStar: 529990 /
Insomniac Net WIN SYSTEM on LPRC	Mon-Sun	10pm	WR6ABD	RX:442.900 TX:+5MHz CTCSS:162.2
W1AW CW Practice (LINK)				1.8025, 3.5815, 7.0475, 14.0475, 18.0775, 21.0675, 28.0675, 50.350, 147.555 MHz, EchoLink: 501433
W1AW Digital Bulletins (LINK)				3.5975, 7.095, 14.095, 18.1025, 21.095, 28.095, 50.350, 147.555 MHz.
W1AW Voice Bulletins (LINK)				1.855, 3.99, 7.29, 14.29, 18.16, 21.39, 28.59, 50.350, 147.555 MHz.
MidCars (LINK) eastern USA	Mon-Sun	5:30-11AM		7.258 LSB
NorCAL DMR Net TG31068	Mon	7:30pm	W6PW	UHF RX:444.225MHz TX:+5MHz CC1 WA6BAY, W6PW, K6LNK, N6AMG, WB6ECE, W6CX
NorCAL DMR Net TG31068	Mon	7:30pm	W6CX-DV	W6CX-DV RX:145.000 TX:+2.5MHz CC:1 (MORE INFO)
CCCC 220 Net	Tues	7:30pm		RX:224.3MHz TX:+4MHz CTCSS:82.5Hz
MeshPhone Conference Call N2NM	Mon	7:30pm	BAM PBX	Mesh phone 78- 973-2193
Loma Pioneer Radio Club LPRC	Tues	8pm	WR6ABD	RX:146.640MHz TX:-600kHz CTCSS:162.2kHz
ORCA Noon time Net	Tues	12noon	WB6NDJ	RX:146.880MHz TX:-600kHz CTCSS:77kHz RX:442.4MHz TX:+5MHz CTCSS:77kHz EchoLink: 270352 / AllStar: 47154 / IRLP: 3115
Marin County RACES HF NVIS NET	Tues	6pm		3.895, 5.405 (ch5) USB / 7.228 LSB / 40m (JS8)
UC Berkeley ARC W6BB	Wed	7:30PM	WA6ZTY	RX:442.275MHz TX:+5MHz CTCSS:103.5Hz (Echo Link KJ6DZB-L) (Allstar NODE 59521)
UC Berkeley ARC W6BB (Echo Link)	Wed	7:30PM	KJ6DZB-L	KJ6DZB-L
San BrunoARC	Wed	8:30pm	simplex	7.27mhz & 46.595MHz FM
WC EMCOMM Net	Thu	1845	WA6KQB	WA6KQB (system)
Mt Diablo MDARC	Thu	7:30pm	W6CX	RX:147.060MHz TX:+600kHz CTCSS:100Hz
CCCC Evening Net	Thu	1930	WA6KQB	WA6KQB (system)
Co Co County HF EmComm Net	Thu	6pm		7.213MHz (+/- QRM) LSB
Co Co County HF EmComm Net	Thu	6:15pm		5.346.5MHz USB (ch. 2) or 5.357Mhz (Ch. 3)
Co Co County HF EmComm Net	Thu	6:30pm		3.893MHz (+/- QRM) Alternative 3.888MHz LSB
KARO/ECHO EMCOMM NET	Thu	7pm		Simplex 146.415MHz
NALCO ARES Net	Thu	7:15pm	N6BRK	RX:147.255MHz TX:+600kHz CTCSS:123kHz RX:440.900MHz TX:+5 TX:+5MHz CTCSS:131.8.5KHz
Oakland RCA Net	Thu	7:30pm	WB6NDJ	WB6NDJ (system)
W6CX-ATV Net	Thu	8pm	W6CX-ATV	1244.50MHz DVB-S2 (MORE INFO)
Bay Area EMCOMM Net	Sat	9:00am	WA6KQB	WA6KQB (system)
San Francisco ARC W6PW HF net	Sat	9am	simplex	14.328MHz USB
CCCC WC Net	Sat	9:15am	WA6KQB	WA6KQB (system)
Bay Area Comm Net	Sat	9:30am	WA6KQB	WA6KQB (system)
Cert FL Digi Net	Sat	10am	WA6KQB	WA6KQB (system)
The Bay Area NVIS Net	Sat	8am		3.890MHz LSB
Slow Scan TV SSTV (MORE INFO)				145.500 MHz, 145.600MHz, 144.550MHz, 145.800MHz
U.S. Packet	27/7	27/7	wide1-2	1200bps 144.390MHz
Satellite Packet	Status	Status	NA1ISS	1200bps 145.825MHz
NA1ISS Cross-Band Repeater	Status	Status		Up: 145.990MHz CTCSS:67Hz Dow: 437.800MHz

Note: Please send suggestions or modifications to KJ6DZB

High Speed Microwave Data Network	INFO
Bay Area Mesh (AREDN)	More INFO /Bay Area Node Map
-WINLINK NODES-	-INFO-
WA6KQB-10	441.500MHz 1200bps & VARA FM wide
KC6SSM-10	145.630MHz
W6ECK-10	441.500MHz packet (local mailbox W6ECK-1)
W6ECK-10	145.630 VARA (local mailbox W6ECK-1)
KI6DOG-10	144.910 packet (Oakland)
K2YE-10	144.910 packet (Oakland)
K6VOM-11	145.630 packet or VARA (San Leandro)

Note: Please send suggestions or modifications to KJ6DZB

DX peditions:

5R8TT 5R8XX Madagascar

5R8TT 5R8XX Team will be active from Madagascar, October - November 2025.

Currently Active

H44MS Solomon Islands
4S7KKG Sri Lanka
V26MN Antigua
VP2MMN Montserrat Island
JG8NQJ/JD1 Marcus Island Minami Tori Shima Islands
8J1RL Showa Research Station
6W7/ON4AVT Warang Senegal
OX3LX Greenland
FT4YM Antarctica
RI1ANE Progress Station Antarctica
7Q2T Malawi
VK9CU Cocos Keeling Islands
D68Z Comoro Islands

More DX Peditions info at https://dxnews.com/dxpeditions/

More Contest info at https://www.contestcalendar.com
And at https://www.arrl.org/contest-calendar

EBARC 2025 Inventory Sale

(Link Here)

2025 License Exam Flyers

(Link Here to flyers you can share)

AMATEUR RADIO LICENSE EXAMS

ORCA ww6or.com

ARCA Amateur Radio Club of Alameda

ADVANCE REGISTRATION REQUIRED

UC BERKELEY EXAMS - 5:00 PM

Monday, April 28, 2025

Monday, May 26, 2025

Monday, June 23, 2025

Monday, July 28, 2025

EL CERRITO EXAMS - 9:00 AM

Saturday, August 9, 2025

Saturday, September 6, 2025

Saturday, November 29, 2025

TO REGISTER OR FOR MORE INFORMATION:

Albert - Email: goto@eecs.berkeley.edu

END